IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

Applicants: Tearney J. Guillermo and

Attorney Docket No.: 036290/US/2 475387-17

Brett E. Bouma

Patent No. : US 7,310,150 B2 Issue Date : December 18, 2007 Serial No. : 10/501,268

Filed : January 10, 2003

Title : APPARATUS AND METHOD FOR LOW COHERENCE RANGING

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir

A Certificate of Correction under 35 U.S.C. § 254 is respectfully requested for the above-identified patent in order to correct Patent and Trademark Office errors made during the printing of the patent. The changes in the patent needed to correct the errors are as follows:

Column, Line	Reads	Should Read
Item (56), U.S. Patent Documents	[Omitted reference]	6,549,801 4/2003 Chen et al
Item (56), Other	"Park, B. Hyle et al.,	Park, B. Hyle et al., Comment on
Publications	Comment on Optical-Fiber- Based Mueller Optical	Optical-Fiber-Based Mueller Optical Coherence Tomography,"
	Coherence Tomography,"	Optics Letters, vol. 29, No. 24,
	Optical Letters, vol. 29, No. 24, Dec. 14, 2004, pp. 2873-2874."	Dec. 14, 2004, pp. 2873-2874
Item (56), Other	" "Image Enhancement in	"Image Enhancement in Optical
Publications	Optical Coherence Tomography Using	Coherence Tomography Using Deconvolution" by Kulkarni, et

	Deconvolution" byKulkami,	al., in the Electronics Letters, vol.
	et al., in the Electronics	4, pp. 125-236, Jan. 1999
	Letters, vol. 4, pp. 125-236,	
	Jan. 1999."	
Item (56), Other	" "Comparison of	"Comparison of Glaucomatous
Publications	Glaucomatous Progression	Progression Between Untreated
	Between Untreated Patients	Patients With Normal tension
	With Normal tension	Glaucoma and Patients with
	Glaucoma and Patients with	Therapeutically Reduced
	Therapeutically Reduced	Intraocular Pressures." Am. J.
	Inraocular Pressures." Am. J.	Ophthalmol 126:487-97
	Ophthalmol 126:487-97."	
Item (56), Other	"Hazebroek, H.F. and W.M.	Hazebroek, H.F. and W.M.
Publications	Visser 91983). "Automated	Visser (1983). "Automated Laser
	Laser Inferometric	Inferometric Ellipsometry and
	Ellipsometry and Precision	Precision Reflectometry." Journal
	Reflectometry." Journal of	of Physics E-Scientific Instruments
	Physics E-Scientific	16(7): 654-661
	Instruments 16(7): 654-661."	
Item (56), Other	"Hoeling, B.M., A.D.	Hoeling, B.M., A.D. Fernandez,
Publications	Fernandez, et al. (2000). "An	et al. (2000). "An optical
	optical coherence microscope	coherence microscope for 3-
	for 3-dimensional image in	dimensional imaging in
	developmental biology."	developmental biology." Optics
	Optics Express 6(7): 136-	Express 6(7): 136-146
	146."	
Item (56), Other	"Ismail, R., V. Tanner, et al.	Ismail, R., V. Tanner, et al.
Publications	(2002). "Optical coherence	(2002). "Optical coherence
	tomography imaging of sever	tomography imaging of severe
	commotio retinae and	commotio retinae and associated
	associated macular hole."	macular hole." British Journal of
	British Journal of	Ophthalmology 86(4): 473-4
	Ophthalmology 86(4): 473-4."	
Item (56), Other	"Jones, R.C. (1947). "A New	Jones, R.C. (1947). "A New
Publications	Calculus for the Treatment of	Calculus for the Treatment of

Optical Systems .5 A More General Formulation, and Optical Systems .5 A More

General Formulation, and

	Description of Another	Description of Another Calculus"
	Caculus" Journal of Optical	Journal of Optical Society of
	Society of America 37(2):107-	America 37(2):107-110
	110."	
Item (56), Other	"Kulkami, M.D., T.G. van	Kulkarni, M.D., T.G. van
Publications	Leeuwen, et al. (1998).	Leeuwen, et al. (1998). "Velocity-
	"Velocity-estimation accuracy	estimation accuracy and frame-rate
	and frame-rate limitations in	limitations in color Doppler
	color Doppler optical	optical coherence tomography."
	coherence tomography."	Optics Letters 23(13): 1057-
	Optics Letters 23(13): 1057-	1059
	1059."	
Item (56), Other	"Laszlo, A. and A. Venetianer	Laszlo, A. and A. Venetianer
Publications	(1998). Heat resistance in	(1998). Heat resistance in
	mammalian cells: Lessons	mammalian cells: Lessons and
	and challenges. Stress and	challenges. Stress of Life. 851:
	Life. 851: 169-178."	169-178
Item (56), Other	"Smithies, D. J., T. Lindmo,	Smithies, D. J., T. Lindmo, et al.
Publications	et al. (1988) "Signal	(1988) "Signal attenuation and
	attenuation and localization in	localization in optical coherence
	optical coherence tomorgaphy	tomography studied by Monte
	studied by Monte Carlo	Carlo simulation." Physics in
	simulation." Physics in	Medicine and Biology 43(10):
	Medicine and Biology 43(10):	3025-3044
	3025-3044."	
Item (56), Other	"Zhang, Y., M. Sato, et al.	Zhang, Y., M. Sato, et al. (2001).
Publications	(2001). "Numerical	"Numerical investigations of
	investigations of optimal	optimal synthesis of several low
	synthesis of severl low	coherence sources for resolution
	coherence sources for	improvement." Optics
	resolution improvement."	Communications 192(3-6): 183-
	Optics Communications	192
	192(3-6): 183-192."	

Item (56), Other Publications	"Froehly, J. et al. (2003) "Multiplexed 3D Imaging Using Wave-length Encoded Spectral Interferometry: A Proof of Principle" <i>Oprics</i> Communications vol. 222, pp. 127-136."	Froehly, J. et al. (2003) "Multiplexed 3D Imaging Using Wave-length Encoded Spectral Interferometry: A Proof of Principle" Optics Communications vol. 222, pp. 127-136
Item (56), Other Publications	"Nadkarni, Seemantini K. et al (2005) "Charaterization of Atherosclerotic Plaques by Laser Speckle Imaging" Circulation vol. 112, pp. 885- 892."	Nadkarni, Seemantini K. et al (2005) "Characterization of Atherosclerotic Plaques by Laser Speckle Imaging" <i>Circulation</i> vol. 112, pp. 885-892
Item (57), Line 5	"Certain exemplary arrangement can be provided"	Certain exemplary arrangements can be provided
Column 4, Line 63	"See,"	See
Column 5, Line 11	"FIG. 6 shows an offset fiber array are directed"	FIG. 6 shows an offset fiber array directed
Column 5, Line 23	"through the objective lens and focused"	through the objective lens and focuses
Column 5, Line 60	"image"	image
Column 8, Line 22	"electro-macinetic radiation"	electro-magnetic radiation
Column 9, Line 3	"wherein the second arrangement including a third"	wherein the second arrangement includes a third

The above errors for which correction is requested under 35 U.S.C. § 254 were made in the printing of the patent or in the original application. The errors are considered sufficiently important to justify the processing of a Certificate of Correction under 35 U.S.C. § 254. A Form PTO-1050, in duplicate, is enclosed herewith.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication to Deposit Account No. 50-1266. A duplicate copy of this sheet is enclosed.

Favorable consideration of this Request is respectfully requested.

Respectfully submitted,

Date: May 23, 2008

Gary Abelev, Esq. PTO Reg. No. 40,479 Attorney for Applicants

(212) 415-9371

Enclosures: Form PTO-1050 4848-3838-1570\1

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : US 7,710,150 B2
DATED : December 18, 2007
INVENTOR(S) : Tearney J. Guillermo and Brett E. Bourma

It is certified that errors appear in the above identified patent and that said Letters Patent is hereby corrected as shown below:

Column, Line	Reads	Should Read
Item (56), U.S. Patent	[Omitted reference]	6,549,801 4/2003 Chen
Documents		et al
Item (56), Other	"Park, B. Hyle et al.,	Park, B. Hyle et al.,
Publications	Comment on Optical-	Comment on Optical-
	Fiber-Based Mueller	Fiber-Based Mueller
	Optical Coherence	Optical Coherence
	Tomography," Optical	Tomography," Optics
	Letters, vol. 29, No. 24,	Letters, vol. 29, No. 24,
	Dec. 14, 2004, pp. 2873-	Dec. 14, 2004, pp. 2873-
	2874."	2874
Item (56), Other	""Image Enhancement in	"Image Enhancement in
Publications	Optical Coherence	Optical Coherence
	Tomography Using	Tomography Using
	Deconvolution"	Deconvolution" by
	byKulkami, et al., in the	Kulkarni, et al., in the
	Electronics Letters, vol.	Electronics Letters, vol.
	4, pp. 125-236, Jan.	4, pp. 125-236, Jan.
	1999."	1999
Item (56), Other	" "Comparison of	"Comparison of
Publications	Glaucomatous	Glaucomatous
	Progression Between	Progression Between
	Untreated Patients With	Untreated Patients With
	Normal tension Glaucoma	Normal tension Glaucoma
	and Patients with	and Patients with
	Therapeutically Reduced	Therapeutically Reduced
	Inraocular Pressures."	Intraocular Pressures."
	Am. J. Ophthalmol	Am. J. Ophthalmol
	126:487-97."	126:487-97

Item (56), Other	"Hazebroek, H.F. and	Hazebroek, H.F. and
Publications	W.M. Visser 91983).	W.M. Visser (1983).
	"Automated Laser	"Automated Laser
	Inferometric Ellipsometry	Inferometric Ellipsometry
	and Precision	and Precision
	Reflectometry." Journal	Reflectometry." Journal
	of Physics E-Scientific	of Physics E-Scientific
	Instruments 16(7): 654-	Instruments 16(7): 654-
	661."	661
Item (56), Other	"Hoeling, B.M., A.D.	Hoeling, B.M., A.D.
Publications	Fernandez, et al. (2000).	Fernandez, et al. (2000).
	"An optical coherence	"An optical coherence
	microscope for 3-	microscope for 3-
	dimensional image in	dimensional imaging in
	developmental biology."	developmental biology."
	Optics Express 6(7): 136-	Optics Express 6(7): 136-
	146."	146
Item (56), Other	"Ismail, R., V. Tanner, et	Ismail, R., V. Tanner, et
Publications	al. (2002). "Optical	al. (2002). "Optical
1 uoneations	coherence tomography	coherence tomography
	imaging of sever	imaging of severe
	commotio retinae and	commotio retinae and
	associated macular hole."	associated macular hole."
	British Journal of	British Journal of
	Ophthalmology 86(4):	Ophthalmology 86(4):
	473-4."	473-4
Item (56), Other	"Jones, R.C. (1947). "A	Jones, R.C. (1947). "A
Publications	New Calculus for the	New Calculus for the
ruoncanons	Treatment of Optical	Treatment of Optical
	Systems .5 A More	Systems .5 A More
	General Formulation, and	General Formulation, and
		Description of Another
	Description of Another	Calculus" Journal of
	Caculus" Journal of	•
	Optical Society of	Optical Society of
	America 37(2):107-110."	America 37(2):107-110
Item (56), Other	"Kulkami, M.D., T.G. van	
Publications	Leeuwen, et al. (1998).	van Leeuwen, et al.
	"Velocity-estimation	(1998). "Velocity-
	accuracy and frame-rate	estimation accuracy and
	limitations in color	frame-rate limitations in

	Doppler optical coherence	color Doppler optical
	tomography." Optics	coherence tomography."
	Letters 23(13): 1057-	Optics Letters 23(13):
	1059."	1057-1059
Item (56), Other	"Laszlo, A. and A.	Laszlo, A. and A.
Publications	Venetianer (1998). Heat	Venetianer (1998). Heat
	resistance in mammalian	resistance in mammalian
	cells: Lessons and	cells: Lessons and
	challenges. Stress and	challenges. Stress of Life.
	Life. 851: 169-178."	851: 169-178
Item (56), Other	"Smithies, D. J., T.	Smithies, D. J., T.
Publications	Lindmo, et al. (1988)	Lindmo, et al. (1988)
	"Signal attenuation and	"Signal attenuation and
	localization in optical	localization in optical
	coherence tomorgaphy	coherence tomography
	studied by Monte Carlo	studied by Monte Carlo
	simulation." Physics in	simulation." Physics in
	Medicine and Biology	Medicine and Biology
	43(10): 3025-3044."	43(10): 3025-3044
Item (56), Other	"Zhang, Y., M. Sato, et al.	Zhang, Y., M. Sato, et
Publications	(2001). "Numerical	al. (2001). "Numerical
1 doneations	investigations of optimal	investigations of optimal
	synthesis of severl low	synthesis of several low
	coherence sources for	coherence sources for
	resolution improvement."	resolution improvement."
	Optics Communications	Optics Communications
	192(3-6): 183-192."	192(3-6): 183-192
Item (56), Other	"Froehly, J. et al. (2003)	Froehly, J. et al. (2003)
Publications	"Multiplexed 3D Imaging	"Multiplexed 3D Imaging
ruoncations	Using Wave-length	Using Wave-length
	Encoded Spectral	Encoded Spectral
	Interferometry: A Proof	Interferometry: A Proof
	of Principle" Oprics	of Principle" Optics
	Communications vol. 222,	Communications vol. 222,
Itama (56) Othor	pp. 127-136." "Nadkarni, Seemantini K.	pp. 127-136Nadkarni, Seemantini
Item (56), Other	,	K. et al (2005)
Publications	et al (2005)	"Characterization of
	"Charaterization of	
	Atherosclerotic Plaques	Atherosclerotic Plaques
 	by Laser Speckle	by Laser Speckle

	Imaging" Circulation vol.	Imaging" Circulation vol.
	112, pp. 885-892."	112, pp. 885-892
Item (57), Line 5	"Certain exemplary	Certain exemplary
	arrangement can be	arrangements can be
	provided"	provided
Column 4, Line 63	"See,"	See
Column 5, Line 11	"FIG. 6 shows an offset	FIG. 6 shows an offset
	fiber array are directed"	fiber array directed
Column 5, Line 23	"through the objective	through the objective
	lens and focused"	lens and focuses
Column 5, Line 60	"image"	image
Column 8, Line 22	"electro-macinetic	electro-magnetic
	radiation"	radiation
Column 9, Line 3	"wherein the second	wherein the second
	arrangement including a	arrangement includes a
	third"	third

MAILING ADDRESS OF SENDER:

Patent No. <u>US 7,310,150 B2</u>

DORSEY & WHITNEY LLP 250 Park Avenue New York, New York 10177 No. add'l. copies @ .30 per page

FORM PTO-1050 (REV. 3-82)

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